IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#37
8-17-05
NP

Applicants	:	John C. Harvey and James W. Cuddihy
Serial No.	:	08/113,329
Docket No.	:	5634.008
Filed	:	August 30, 1993
For	:	SIGNAL PROCESSING APPARATUS AND METHODS
Group Art Unit	:	2611
Examiner	:	Andrew I. Faile

Commissioner for Patents
Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, applicants respectfully

request consideration of the references listed on the attached citation form. This

Supplemental Information Disclosure Statement replaces the Supplemental Information

Disclosure Statement filed June 18, 2002, in the above captioned application. The June

2002 Supplemental IDS was filed under 37 C.F.R. 1.98(c)(1). However, it has come to my

attention that some references designated by the June 2002 Supplemental IDS may have

been known to individuals associated with the filing or prosecution of this application as

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

defined in 37 C.F.R. § 1.56(c) more than three months prior to June 18, 2002.

Accordingly, I hereby withdraw any statement to the contrary made in the June 2002

Supplemental IDS and submit the instant Supplemental IDS under 37 C.F.R. § 1.98(c)(2).

A check for $180.00 accompanies this submission. Please charge any additional fees or

credit any overpayment to Deposit Account Number 06-1075.

The attached citation form includes each and every reference designated in the

citation form submitted with the June 2002 Supplemental IDS. The attached citation form

also includes additional references that have been asserted against applicants' related

issued patents and additional references that have been cited by the Office in applicants'

copending applications.

Applicants respectfully request that the Examiner consider the references cited and

that the Examiner indicate that the references have been considered in this application by

returning a copy of the citation form with the Examiner's initials in the left column per

M.P.E.P. § 609.

Pursuant to an agreement reached between the Office and applicants (see first

Office Action issued in this application), applicants are to file copies of prior art only once.

One copy of the additional references was submitted with the information disclosure

statements filed February 7, 2003, in applicants' copending Application Number

08/487,526 (Atty. Dkt. No. 5634.355).

"Eine Neue Generation Mikroprozessorgesteuerter Datensender Und -Empfänger

Für Alle Varianten Der Datenübertragung In Der V-Lücke Des Fernsehisgnals", by A.

Ebner and K. Schuster, Rundfunktechnische Mitteilungen, Vol. 26, No. 5, pp. 215-220, is a

German language article related to data transmitters and receivers that can be adapted by
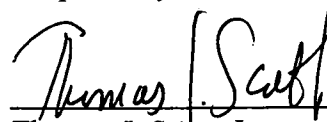
ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

microcomputer control to given variants of data transmission. "Codifica Numerica Del

Segnale Sonoro - Interfaccia Per Gli Apparati Professionali" by M. Barbero and M.

Occhiena, Elettronica e Telecomunicazi oni, Vol. 34, No. 5, pp. 209- 216, October, 1985,

is an Italian language article related to interface specifications for the interconnection of

digital audio equipment within a broadcasting complex. Both of these articles include

English summaries.

Japanese patent document 62-12285 is related to a teletext receiving device.

Japanese patent document 61-236284 is related to a character signal receiver. Both of

these Japanese documents were cited by the Office to applicants in copending Application

Serial Number 08/479,374 (Atty. Dkt. No. 5634.148) without corresponding English

translations. Applicants provided translations of these Japanese patent documents with the

amendment filed March 6, 2003, in Application Serial Number 08/479,374.

As noted above, the references cited herein have been asserted against applicants'

related issued patents or cited in applicants' copending applications. In accordance with 37

C.F.R. § 1.97, applicants do not admit that each and every reference cited herein is

considered to be material to patentability or to be prior art.

Date: <u>March 14, 2003</u>
HUNTON & WILLIAMS
1900 K Street, N.W.
Washington, DC 20006

Respectfully submitted,

_____
Thomas J. Scott, Jr.
Reg. No. 27,836
Tel.: (202) 955-1685
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	Attorney Docket No.	Serial No.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT **CITATION FORM**	05634.008	08/113,329
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date August 30, 1993	Group Art Unit 2611

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

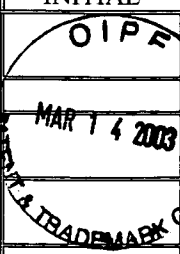| EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
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* If Pertinent

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EXAMINER /Son Huynh/ (04/14/2010)	DATE CONSIDERED 04/14/2010
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of   :

John C. Harvey and **James W. Cuddihy**   :   Examiner:

Serial No.   08/113,329   :   Group Unit: 2602

Filed   30-Aug-93   :   Atty Dkt: 5634.008

For   SIGNAL PROCESSING APPARATUS AND METHODS

COPENDING RELATED U.S. PATENT APPLICATIONS

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

       Listed below are copending U.S. patent applications related to this application.

Application No.	Filing Date	Atty. Dkt.
08/113,329	30-Aug-93	5634.008
08/397,371	2-March-95	5634.017
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08/397,636	2-March-95	5634.012
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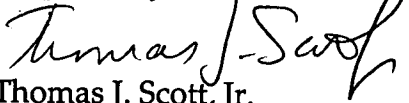
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REMARKS

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a), Applicants herewith submit a reference to all related copending U.S. Patent Applications now pending before the U.S. Patent and Trademark Office.

Respectfully submitted,

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APPENDIX

(Examples of Claim Conflicts between Applications)

Comparison of claim 12 from Serial No. 08/469,626 to claim 24 from
Serial No. 08/487,980.

Claim 12	Claim 24
A method of controlling a remote intermediate mass medium programming transmitter station to communicate mass medium program material to one or more receiver stations, with said remote transmitter station including a broadcast or cablecast transmitter for transmitting one or more units of mass medium programming, a plurality of selective transmission devices each operatively connected to said broadcast or cablecast transmitter for communicating a unit of mass medium programming, a mass medium programming receiver, a control signal detector, and a controller or computer capable of controlling one or more of said selective transmission devices, and with said remote transmitter station adapted to detect the presence of one or more control signals, to control the communication of specific units of mass medium programming in response to detected specific	A method of controlling a remote intermediate mass medium programming transmitter station to communicate mass medium program material to one or more receiver stations, with said remote transmitter station including a broadcast or cablecast transmitter for transmitting one or more units of mass medium programming, a plurality of selective transmission devices each operatively connected to said broadcast or cablecast transmitter for communicating a unit of mass medium programming, a mass medium programming receiver, a control signal detector, and a controller or computer capable of controlling one or more of said selective transmission devices, and with said remote transmitter station adapted to detect the presence of one or more control signals, to control the communication of specific units of mass medium programming in response to detected specific

control signals, and to deliver at its broadcast or cablecast transmitter one or more units of mass medium program, said method of communicating comprising the steps of:

(1) receiving a unit of mass medium programming to be transmitted by the remote intermediate mass medium programming transmitter station and delivering said unit of mass medium programming to a transmitter, said unit of mass medium programming having an instruct signal which is effective at the one or more receiver stations to *control a sequence of events*;

(2) receiving one or more control signals which at the remote intermediate mass medium programming transmitter station operate to control the communication of said unit of mass medium programming; and

(3) transmitting said one or more control signals to said

control signals, and to deliver at its broadcast or cablecast transmitter one or more units of mass medium program, said method of communicating comprising the steps of:

(1) receiving a unit of mass medium programming to be transmitted by the remote intermediate mass medium programming transmitter station and delivering said unit of mass medium programming to a transmitter, said unit of mass medium programming having an instruct signal which is effective at the one or more receiver stations to *decode a portion of a multichannel broadcast or cablecast transmission*;

(2) receiving one or more control signals which at the remote intermediate mass medium programming transmitter station operate to control the communication of said unit of mass medium programming; and

(3) transmitting said one or more control signals to said

transmitter before a specific time.   transmitter before a specific time.

Comparison of claim 24 from Serial No. 08/488,620 to claim 23 from Serial No. 08/477,660.

Claim 24	Claim 23
A method of controlling a computer to communicate a television signal in a television network, said network *having* a television transmitter station and a television receiver station, said receiver station having a computer for communicating of television signals, said method comprising the steps of:	A method of controlling a computer to communicate a television signal in a television network, said network *comprised of* a television transmitter station and a television receiver station, said receiver station having a computer for communicating of television signals, said method comprising the steps of:
programming *said receiver station* to search for data embedded in a television signal;	programming *a processor* to search for data embedded in a television signal;
inputting an identifier code that designates a unit of computer software;	inputting an identifier code that designates a unit of computer software;
storing a television signal on a file storage medium at a storage device associated with said computer;	storing a television signal on a file storage medium at a storage device associated with said computer;
receiving from a remote source an information transmission that contains a control signal;	receiving from a remote source an information transmission that contains a control signal;

selecting a storage location associated with said computer in response to said control signal;

transferring said unit of computer software to said storage device;

storing said unit of software on said file storage medium;

executing a technique for communicating a file stored on a disk associated with a computer; and

communicating said television signal in accordance with said technique.

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selecting a storage location associated with said computer in response to said control signal;

transferring said unit of computer software to said storage device *and*

storing said unit of software on said file storage medium,

thereby to enable said computer to execute a technique for communication a file stored on a disk associated with a computer and

communicate said television signal in accordance with said technique.

Comparison of claim 23 from Serial No. 08/488,032 to claim 58 from Serial No. 08/451,746.

Claim 23	Claim 58
A method of communicating subscriber station information from a subscriber station to one or more remote data collection stations, said method comprising the steps of:	A method of communicating subscriber station information from a subscriber station to one or more remote data collection stations, said method comprising the steps of:
(1) inputting a viewer's or participant's reaction at a subscriber station;	(1) inputting a viewer's or participant's reaction at a subscriber station;
(2) receiving at said subscriber station information that designates an instruct signal to process or an output to deliver in consequence of subscriber input;	(2) receiving at said subscriber station information that designates an instruct signal to process or an output to deliver in consequence of *said specific* subscriber input;
(3) determining the presence of said subscriber input at said subscriber station by processing said viewer's or participant's reaction;	(3) determining the presence of said *specific* subscriber input at said subscriber station by processing said viewer's or participant's reaction;
(4) processing an instruct signal which is effective to *coordinate data processing with communication or presentation of* television programming at said	(4) processing an instruct signal which is effective to *receive, generate, or present output to supplement* television

subscriber station in consequence of said step of determining; and

(5) transferring from said subscriber station to one or more remote data collection stations an indicia confirming delivery of said instruct signal from said step of processing or confirming delivery of said effect from said step of processing.

programming at said subscriber station in consequence of said step of determining; and

(5) transferring from said subscriber station to one or more remote data collection stations an indicia confirming delivery of said instruct signal from said step of processing or confirming delivery of said effect from said step of processing.

Comparison of claim 47 from Serial No. 08/469,106 to claim 46 from
Serial No. 08/487,649.

Claim 47	Claim 46
A method of controlling at least one of a plurality of receiver stations each of which includes a broadcast or cablecast mass medium program receiver, at least one output device, a control signal detector, at least one processor capable of responding to an instruct signal, and with each said mass medium program receiver station adapted to detect and respond to one or more instruct signals, said method of communicating comprising the steps of:	A method of controlling at least one of a plurality of receiver stations each of which includes a broadcast or cablecast mass medium program receiver, at least one output device, a control signal detector, at least one processor capable of responding to an instruct signal, and with each said mass medium program receiver station adapted to detect and respond to one or more instruct signals, said method of communicating comprising the steps of:
(1) receiving at a broadcast or cablecast transmitter station an instruct signal which is effective at the receiver station to *implement a scheme for generating a control signal* and delivering the instruct signal to a transmitter;	(1) receiving at a broadcast or cablecast transmitter station an instruct signal which is effective at the receiver station to *select a broadcast or cablecast signalling scheme and generate a signal in consequence of said selected broadcast or cablecast signalling scheme* and delivering the instruct signal to a transmitter;
(2) receiving at said transmitter station one or more	(2) receiving at said

control signals which at the receiver station operate to communicate the instruct signal to a specific processor; and

(3) transferring said one or more control signals to the transmitter, said transmitter transmitting the instruct signal and the one or more control signals.

transmitter station one or more control signals which at the receiver station operate to communicate the instruct signal to a specific processor; and

(3) transferring said one or more control signals to the transmitter, said transmitter transmitting the instruct signal and the one or more control signals.

Comparison of claim 11 from Serial No. 08/477,805 to claim 25 from
Serial No. 08/449,523.

Claim 11	Claim 25
A method of controlling a remote television transmitter station to communicate television program material to one or more receiver stations, with said remote television transmitter station including a broadcast or cablecast transmitter for transmitting one or more units of television programming, a plurality of selective transmission devices each operatively connected to said broadcast or cablecast transmitter for communicating a unit of television programming, a television receiver, a control signal detector, and a controller or computer capable of controlling one or more of said selective transmission devices, and with said remote transmitter station adapted to detect the presence of one or more control signals, to control the communication of specific units of television programming in response to detected specific control signals, and to deliver at	A method of controlling a remote television transmitter station to communicate television program material to one or more receiver stations, with said remote television transmitter station including a broadcast or cablecast transmitter for transmitting one or more units of television programming, a plurality of selective transmission devices each operatively connected to said broadcast or cablecast transmitter for communicating a unit of television programming, a television receiver, a control signal detector, and a controller or computer capable of controlling one or more of said selective transmission devices, and with said remote transmitter station adapted to detect the presence of one or more control signals, to control the communication of specific units of television programming in response to detected specific control signals, and to deliver at

its broadcast or cablecast transmitter one or more units of television programming, said method of communicating comprising the steps of:

(1) receiving a unit of television programming to be transmitted by the remote intermediate television transmitter station and delivering said unit of television programming to a transmitter;

(2) receiving one or more control signals which at the remote intermediate television transmitter station operate to control the communication of *a specific one or more of said plurality of units* of television programming; and

(3) transmitting said one or more control signals to said transmitter before a specific time.

its broadcast or cablecast transmitter one or more units of television programming, said method of communicating comprising the steps of:

(1) receiving a unit of television programming to be transmitted by the remote intermediate television transmitter station and delivering said unit of television programming to a transmitter, *said unit of television programming having an instruct signal which is effective at the one or more receiver stations to implement a television signalling scheme*;

(2) receiving one or more control signals which at the remote intermediate television transmitter station operate to control the communication of *said unit* of television programming; and

(3) transmitting said one or more control signals to said transmitter before a specific time.